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AWARD OF LENIN PRIZES IN SCIENCE AND TECHNOLOGY

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## FOREWORD

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AWARD OF LENIN PRIZES IN SCIENCE AND TECHNOLOGY

Following is a translation of a statement in Meditsinskiy rabotnik (Medical Worker), Vol. 23, No. 33 (1885), Moscow, 22 April 1960, page 1.

The Committee on Lenin Prizes in Science and Technology has decided:

I

To award Lenin Prizes for 1960 for the most outstanding work in science to:

1. Sergey Nikolayevich Vernov, Corresponding Member of the USSR Academy of Sciences, and Aleksandr Yevgen'yevich Chudakov, Doctor of Physical and Mathematical Sciences, both of the Physical Institute imeni P. N. Lebedev of the USSR Academy of Sciences; Nikolay Vasil'yevich Puskhov, Director of the Institute of Terrestrial Magnetism, the Ionosphere and the Emission of Radio Waves of the USSR Academy of Sciences; and Shmayshe Shlemovich Dolginov, Director of the Magnetic Laboratory of the same Institute---for the discovery and study of the outer radiation-belt of the earth and study of the magnetic field of the earth and the moon.
2. Aleksandr Il'ich Leypunskiy, Academician of the Ukrainian SSR Academy of Sciences, Oleg Dmitriyevich Kazachkovskiy, Doctor of Physical and Mathematical Sciences, Igor Il'ich Bondarenko, Doctor of Physical and Mathematical Sciences, and Lev Nikolayevich Usachev, Candidate of Physical and Mathematical Sciences, all scientific workers of the Physical Institute of the Main Administration on the Use of Atomic Energy, USSR Council of Ministers---for research on the physics of nuclear reactors with high-speed neutrons.
3. Vladimir Aleksandrovich Fok, Academician---for research on the quantum theory of fields, described in the monograph "Research on the Quantum Theory of Fields", published in 1957.
4. Nikolay Gur'yevich Chetayev---for research on the stability of motion and analytical mechanics, published in 1952-1958.
5. Anatoliy Yevseyevich Kriss, Doctor of Biological Sciences ---for his treatise "Marine Microbiology (Deep-Sea)", published in 1959.
6. Aleksandr Aleksandrovich Vishnevskiy, Pëtr Andreyevich Kupriyanov, Yevgeniy Nikolayevich Meshalkin, and Boris Vasil'yevich Petrovskiy, Doctors of Medical Sciences---for developing new operations on the heart and the large blood vessels.
7. Sergey Dmitriyevich Ponomarev, Professor, Vadim L'vovich Biderman, Docent, Konstantin Konstantinovich Likharev, Docent, Nikolay Nikolayevich Malinin, Professor, and Vsevolod Ivanovich Feodos'yev, Professor, all teachers at the Moscow Higher Technical

School imeni N. E. Bauman; and Vladimir Mikhaylovich Makushin, Docent, teacher at the Moscow Printing Institute---for their treatise "Calculations of the Strength of Materials in Machine Manufacture", published in three volumes in 1956-1959.

8. Yakov Zalmanovich Tsyppkin, Doctor of Technical Sciences ---for research on the theory of pulse and relay automatic systems, described in his monographs "Transient and Steady Processes in Pulse Circuits", "The Theory of Relay Systems of Automatic Control", and "Theory of Pulse Systems", published in 1951-1958.

## II.

To award Lenin Prizes for 1960 for the most outstanding work in technology to:

1. Saveliy Moiseyevich Feinberg, Chief of the Theoretical Section of the Atomic Energy Institute imeni I. V. Kurchatov of the USSR Academy of Sciences; Vladimir Vladimirovich Goncharov, Georgiy Alekseyevich Stolyarov, and Taras Nikolayevich Zubarev scientific workers of the same institute; Pëtr Ivanovich Khristenko, Chief Engineer of a section of the Institute of Theoretical and Experimental Physics of the USSR Academy of Sciences; Valentin Fedorovich Kozlov, and Oleg Ivanovich Lyubimtsev, workers at a research institute---for the establishment of a system of research water-moderated water-cooled reactors VVR-2, VVR-S and IRT.

2. Sergey Vladimirovich Il'yushin, General Designer of the State Committee on Aviation Technology, USSR Council of Ministers, project leader; Aleksandr Georgiyevich Ivchenko, Chief Designer of the State Committee on Aviation Technology, USSR Council of Ministers; Vladimir Konstantinovich Kokkinski, test pilot; Valeriy Afrikanovich Borog, Viktor Mikhaylovich Germanov, Aleksey Nikolayevich Zlenko, Anatoliy Yakovlevich Levin, Vladimir Alekseyevich Lotarev, Anatoliy Konstantinovich Panteleyev, Yevgeniy Ivanovich Sankov, Viktor Nikolayevich Semenov, and Aleksey Illarionovich Shvedchenko, head designers---for designing and creating the passenger airplane IL-18.

3. Il'ya Ivanovich Korobov, plant director, and Vasilii Ivanovich Surovov, head of the Blast-Furnace Laboratory, of the Dnepropetrovsk Metallurgical Plant imeni Petrovskiy; Zot Il'ich Nekrasov, Director of the Ferrous Metallurgy Institute of the Ukrainian SSR Academy of Sciences; Nikolay Ivanovich Krasavtsev, senior scientific worker of the same institute; Georgiy Grigor'yevich Oreshkin, plant director, and Anatoliy Nikolayevich Chechuro, Chief of the Blast-Furnace Department, the Dnepr Metallurgical Plant imeni Dzerzhinskiy; Lev Dmitriyevich Yupko, plant director, and Boris Lazarevich Tsvog, Chief of the Blast-Furnace Department, of the "Zaporozhstal'" Metallurgical Plant imeni Sergo Ordzhonikidze; and Ivan Mikhaylovich Yektov, plant director, and Georgiy Alekseyevich Penev, Chief of the Blast-Furnace Department, of the Stalino Metallurgical Plant imeni Stalin ---for introducing natural gas into blast-furnace production.

4. Aleksey Vasil'yevich Ulitovskiy, research leader; Nikolay Mateveyevich Averin, senior engineer of the Designing Bureau of the "Sevzapmontazhavtomatika" trust of the RSFSR Ministry of Construction; Veniamin Georgiyevich Krasin'kov, scientific worker of a research institute---for developing a method of obtaining thin and extra-thin metallic threads directly from the liquid phase.

5. Abdulkhalat Abdullatypovich Bakirov, Doctor of Geological and Mineralogical Sciences; Pëtr Nikolayevich Yenikev, Chief Geologist of the Oil and Gas Division of the USSR Ministry of Geology and Preservation of Mineral Deposits; Sergey Ivanovich Il'in; Yevgeniy Vlasimirovich Kudryashov, director of the Uzbek Branch of the All-Union Research Institute of Natural Gas; and Leonid Grigor'yevich Zhukovskiy, Chief Geologist, Konstantin Akhilesovich Sotiriadi, Chief Geologist of a branch, and Vasilii Ivanovich Chernov, head of a party, workers of the "Uzbekneftegaz-razvedka" trust---for the discovery and exploration of Gazli natural gas field, the largest in the USSR.

6. Ol'ga Kirillovna Kolcmiyets, Head of the Sugar Beet Breeding Division of the Belaya Tserkov' Experimental Plant Breeding Station; Mariya Grigor'yevna Bordonos, senior scientific worker of the Ukrainian Academy of Agricultural Sciences; Ivan Fecktistovich Buzanov, Director of the All-Union Research Institute of Sugar Beets, and Vladimir Pavlovich Zosimovich, senior scientific worker of the same institute; Georgiy Semenovitch Mogan, scientific worker, and Aleksandr Vasil'yevich Popov, Head of the Sugar Beet Breeding Division, both of the Yaltushkov Plant Breeding Location---for creating new forms and developing varieties of sugar beets with monospermous fruits.